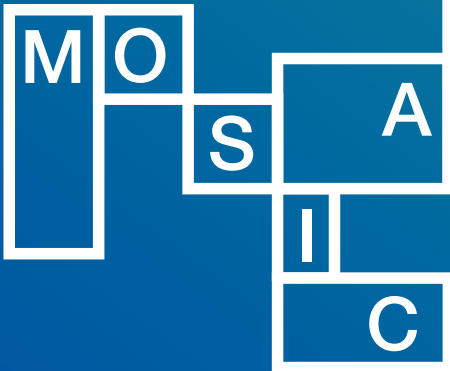


**Open.  
Programmable.  
Scalable.**



Software-Defined Access by **ADIRAN**

# Accelerating the industry's transition to open, programmable, scalable networks with the industry's most awarded\* SD-Access solution, ADTRAN Mosaic™.

The ADTRAN Mosaic SD-Access architecture combines modern Web-scale technology with open-source platforms to facilitate rapid innovation in multi-technology, multi-vendor environments. With an open architecture approach, service providers have the freedom to choose best-of-breed elements and control the introduction and rollout of new customer applications and broadband technologies, eliminating high overhead costs.

Our open microservices architecture allows your networks operations and IT development teams to align. Open, modular, component-based architectures leverage the vast open-source market, reducing service integration cycles and minimising service disruption as new applications are created and deployed.



\*13 awards as of YE2017

# Mosaic Cloud Platform

The Mosaic Cloud Platform is an open microservices architecture providing network management and SDN control for the entire access network. It unlocks control and management functions from underlying network elements, enabling a more flexible, agile services delivery framework.

# Mosaic OS

The Mosaic Operating System (OS) enables service providers to rapidly onboard new access technologies and introduce disruptive operational efficiencies while creating revenue-generating, on-demand applications across their entire access network.

# Programmable Network Functions

The ADTRAN SDX Series of next-generation programmable network elements offers open, programmable APIs that natively integrate into any leading open-source SDN control and orchestration system. ADTRAN SDX Series solutions span from cloud edge to subscriber edge, expediting the deployment of fully automated Web-scale networks.



# Mosaic Subscriber Experience Suite

Users want services their way – now. ADTRAN Mosaic Subscriber Experience tools supports this user-driven service model using microservices with open APIs and operational logic to provide advanced analytics, software-centric operations, and virtualized service delivery – making device installation and service activation ultra-efficient while improving the overall subscriber quality of experience.



## Improve Operational Efficiency

with network automation and self-healing tools.



## Empower End Users

with a user-driven model



## Elevate Customer Focus

with products that simplify network access and connectivity.



A woman with glasses and a man are looking at a tablet together in an office setting. The woman is pointing at the screen. The background is blurred, showing other people in an office environment.

# Mosaic Open Network Alliance

ADTRAN Mosaic serves as the foundation for the Mosaic Open Network Alliance. The alliance was established to bring together market participants dedicated to delivering, demonstrating, and testing open and proven Software Defined Network (SDN) and Network Function Virtualization (NFV) solutions. Through the Mosaic Open Network Alliance, operators around the globe have a single point of reference for best-of-breed SD-Access and NFV solutions. The Mosaic Open Network Alliance offers solution providers a one-of-a-kind forum for vetting open solutions and will save network operators the time and resources required to assess and substantiate vendors and offerings best suited for their open network demands.

# ADTRAN and the Open Networking Foundation (ONF)



The ONF recently created new Reference Design (RD) blueprints to assemble common modular components to create open source platforms that will enable specific deployment use cases for the emerging edge cloud. Each RD is backed by an operator group that intends to roll out production deployments.

In the ONF's 2018 Strategic Plan, operators outlined a course of action to accelerate deployment of open networking, which is why they sought out ADTRAN and other supply chain partners who have demonstrated commitment, leadership, and shared open networking vision.

ADTRAN Mosaic is the industry's first open SD Access architecture. It uniquely leverages disaggregated physical network access elements that are integrated natively into open source SDN controllers. ADTRAN is the first and only access vendor fully aligned with the Residential-Central Office Re-architected as a Datacentre

(R-CORD) open reference architecture (ON.Labs which is now ONF). The ONF is currently involved in over 25 trials with carriers around the world. Since 2016, there has been significant advancement in operators planning next-generation network architectures around the same design principles that came out of the datacentre industry. We are now at a critical stage where operators are ready to take these projects out of the lab environment and move them into production networks. As an early investor in these network architectures, ADTRAN is better positioned than any other traditional broadband access suppliers to take advantage of this market transition.

While many of the components of these reference designs, like Software Enabled Broadband Access (SEBA), consist of white-box hardware and open-source software, ADTRAN has the software assets with the Mosaic Cloud Platform and Mosaic OS—along with the Systems Integration (SI) resources—to make these reference designs deployment ready today.



# MOSAIC<sup>®</sup>

Open. Programmable. Scalable.

Software-Defined Access by **ADTRAN**

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